



#### Regions & Experiences

- Yarra Valley 1986 2011
- Tasmania 1994 2016
- Tumbarumba 1996 2006
- Adelaide Hills 2012 2015

### What Influences Chardonnay Quality

- Latitude
- Altitude
- Heat Degree Days
- Clone
- Pruning Method
- Canopy Structure

## What Influences Chardonnay Quality

- Row Orientation
- Rainfall
- Available Irrigation

#### 1.Site 2. Climate 3. Yield



#### Site or 'Terroir'

- The complexity and individuality of each site.
- Totally different by state, region, altitude, soil, clone and more.
- How it all gets back to the site.
- Terroir, can be a total region, can be though a vineyard or a single block of Chardonnay.

### Yarra Valley – Hoddles Creek Vineyard -Prices Rd

- HDD: Upper Yarra 1150 1250
- Altitude 300 400m.
- Soils : Red Volcanic
- Clones I10V1 Planted 1986 1988 28-30yr old
- Planting Density 2.2 x 1.5m 3030v/ha 8t/ha 2.6kg/vine.
- Rainfall: 1250mm but falling.
- Consistently Eileen Hardy, Bastard Hill plus Sparkling.
- Block variability. north v south.
- Maritime climate.

### Tumbarumba Cribbin Vineyard

- HDD 1010
- Altitude: 625 820m
- Soils: Granitic sands over granite rock
- Clone: I10V1 20yr old vines
- Planting density: 3m x 1.8m 1,850v/ha.
- Target yield 8t/ha. 4.3kg/vine
- Consistent Eileen Hardy Chard Quality

## Adelaide Hills – Shaw and Smith Lenswood Vineyard

- HDD (416m) 2002 1116 2015 1817
- Altitude: Shaw and Smith Vineyard 500m.
- Soil: Light brown loam over shale & clay.
- Clones: Bernard 95, 96, 277, 76.
- Planting Density: 2.75m x 1.8m 2,020v/ha.
- 2016 Vintage Start : 1st. Feb.
- Lenswood Chardonnay: 14<sup>th</sup> Feb.
- Target Yield: 8t/ha. 3.97kg/vine.

# Shaw and Smith- Lenswood Vineyard G9V7



## Shaw and Smith Vineyard Bernard 95 - 76





### 2,020v/ha – the new – 4,040v/ha 4kg/v back to 2kg/v





#### Mendoza



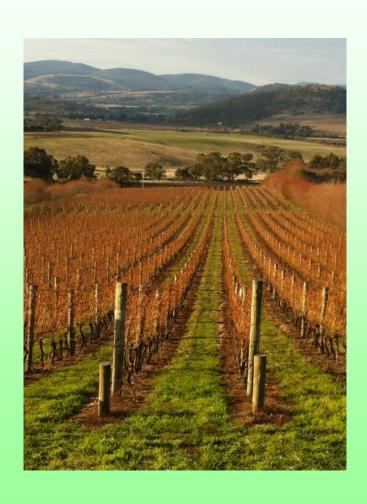
#### Mendoza on to I10V1



## Tasmania S+S Tolpuddle Vineyard

- Latitude: 42 deg south.
- Altitude: 60m
- HDD 1020
- Soils: White silica sands over sandstone and clay.
- Clone: I10V1. New clones coming.
- Planting Density: 2.2 X 1.2m 3,787v/ha
- Target Yield: 8t/ha. 2.1kg/vine.
- Pruning technique.

### Tolpuddle Vineyard



### Clonal Change



### Tolpuddle Early January













#### Two cane / two wires



# Windbreaks Casuarina Cunninghamiana



#### Vine Health at Harvest



#### Vine Health at Harvest

• Tasmanian Bull Kelp.

#### Fruit Health at Harvest



## Global Warming or Cyclical Weather Phenomenon

- What can we do in the vineyard.
- Row Orientation. Summer Solstice, Southern Hemisphere.
- Canopy Structure.
- Irrigation BOM 7day outlook.
- Easterly slopes.
- Southerly slopes.
- Altitude or Latitude.

## Southerly Aspects 28deg Hill to the South





**THANK YOU** 

RAY GUERIN

GVC

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